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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/749,440	12/28/2000	Suk-Won Choi	8733.373.00	6061	
30827	7590 11/15/2004		EXAM	INER	
MCKENNA LONG & ALDRIDGE LLP			DUONG,	DUONG, THOI V	
1900 K STREET, NW WASHINGTON, DC 20006			ART UNIT	PAPER NUMBER	
			2871		
		DATE MAILED: 11/15/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/749,440	CHOI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Thoi V Duong	2871				
The MAILING DATE of this communication app	<u> </u>					
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 19 August 2004.						
	action is non-final.					
3) Since this application is in condition for allowar						
Disposition of Claims						
<ul> <li>4)  Claim(s) 1-10,12-18 and 20-25 is/are pending in the application.</li> <li>4a) Of the above claim(s) is/are withdrawn from consideration.</li> <li>5)  Claim(s) is/are allowed.</li> <li>6)  Claim(s) 1-10,12-18 and 20-25 is/are rejected.</li> <li>7)  Claim(s) is/are objected to.</li> <li>8)  Claim(s) are subject to restriction and/or election requirement.</li> </ul>						
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ acc						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)         Paper No(s)/Mail Date     </li> </ol>	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	· ·				

Art Unit: 2871

### **DETAILED ACTION**

1. This office action is in response to the Amendment filed August 26, 2002.

Accordingly, claims 1, 2, 4, 5, 10, 12, 14, 16-18, 20 and 22 were amended, and claims 11 and 19 were cancelled. Currently, claims 1-10, 12-18 and 20-25 are pending in this application.

## Response to Arguments

2. Applicant's arguments with respect to claims 1-1, 12-18 and 20-25 have been considered but are most in view of the new ground(s) of rejection.

# Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1-10, 12-18 and 20-25 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

With respect to claims 1, 10 and 18, Applicant discloses a method of fabricating a liquid crystal display device comprising cooling the liquid crystal panel to a predetermined temperature so as to produce monostable alignment of the ferroelectric liquid crystal molecules and heating the cooled liquid crystal panel substantially to room temperature.

According to USPN 5,583,682, as shown in Fig. 1, Kitayama et al. also discloses a similar method of fabricating a liquid crystal display device comprising forming a ferroelectric liquid crystal (or chiral smectic liquid crystal) layer 15 between a first substrate 11a and a second substrate 11b; cooling the liquid crystal panel to –9 degrees C and heating to room temperature, 30 degrees C (col. 9, lines 30-42 and col. 10, lines 41-44). However, the method of Kitayama et al. produces <u>bistable alignment</u> of the ferroelectric liquid crystal molecules (col. 2, lines 25-30) instead of <u>monostable</u> alignment as recited in claims 1, 10 and 18.

Since the reference of Kitayama et al. was patented, the reference of Kitayama et al. is presumed valid over the claimed invention.

Claims 2-9, 12-17 and 20-25 are also rejected since they are dependent on the unable claims.

### Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

KENNETH PARKER PRIMARY EXAMINER

Thoi Duong To

11/09/2004